

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Marc Zimmer Examiner #: 78011 Date: 8/10/04
 Art Unit: 1712 Phone Number 30 4-1096 Serial Number: 101070507
 Mail Box and Bldg/Room Location: 10A68 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Curable Composition & its use

Inventors (please provide full names): Tadashi Hakuta, Masaki Kawasaki, Yoshiharu Kikuchi,
Mitsunao Arino, Mutsaka Nagai, Hiroaki Sakaguchi, Masaki Suganara et al

Earliest Priority Filing Date: 3/7/02

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please look for polymers adhering to the description of claim 1 w/ the following modifications

1) ignore the method, i.e. hydrosilylation, by which the silicon group is introduced - I want all polymers having the specified monomeric unit & hydrolyzable silyl group regardless of how the silane is incorporated into the structure eg copolymerization w/ silanes having polymerizable moieties

2) look for all of such polymers ^{derived from a} ~~having a~~ non-conjugated chain or ring ^{the expressly mentioned} of any structure but including ^{SCIENTIFIC REFERENCE BR} norbornene compounds ^{Sci. & Tech. Info. Cntr}

Thanks !

AUG 11

Pat. & T.M. Office

STAFF USE ONLY

Searcher: <u>X. Fuller</u>	Type of Search	Vendors and cost where applicable
Searcher Phone #: _____	NA Sequence (#) _____	STN <u>✓</u>
Searcher Location: _____	AA Sequence (#) _____	Dialog _____
Date Searcher Picked Up: _____	Structure (#) <u>6</u>	Questel/Orbit _____
Date Completed: <u>8/17/04</u>	Bibliographic _____	Dr.Link _____
Searcher Prep & Review Time: <u>30</u>	Litigation _____	Lexis/Nexis _____
Clerical Prep Time: _____	Fulltext _____	Sequence Systems _____
Online Time: <u>52</u>	Patent Family _____	WWW/Internet _____
	Other _____	Other (specify) _____

=> FILE REG

FILE 'REGISTRY' ENTERED AT 18:33:12 ON 17 AUG 2004
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 16 AUG 2004 HIGHEST RN 727651-15-2
DICTIONARY FILE UPDATES: 16 AUG 2004 HIGHEST RN 727651-15-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
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=> FILE HCAPLUS

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FILE COVERS 1907 - 17 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 16 Aug 2004 (20040816/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> D QUE

L11 1 SEA FILE=HCAPLUS ABB=ON US2003096904/PN
L12 61 SEA FILE=REGISTRY ABB=ON (2530-83-8/BI OR 10025-78-2/BI OR
1067-55-6/BI OR 107-05-1/BI OR 1071-76-7/BI OR 110-89-4/BI OR
112-88-9/BI OR 112-92-5/BI OR 122185-09-5/BI OR 123-28-4/BI OR
123156-80-9/BI OR 123372-64-5/BI OR 123758-04-3/BI OR 132255-83
-5/BI OR 13435-12-6/BI OR 13927-77-0/BI OR 13963-57-0/BI OR
141-43-5/BI OR 14516-71-3/BI OR 14782-75-3/BI OR 1529-17-5/BI
OR 1623-15-0/BI OR 1647-16-1/BI OR 16881-77-9/BI OR 17501-44-9/
BI OR 1760-24-3/BI OR 18105-31-2/BI OR 199327-09-8/BI OR
22673-19-4/BI OR 235102-79-1/BI OR 24801-88-5/BI OR 25068-38-6/

KATHLEEN FULLER EIC 1700 REMSEN 4B28 571/272-2505

BI OR 27155-45-9/BI OR 29036-28-0/BI OR 29570-58-9/BI OR
 3069-42-9/BI OR 31692-79-2/BI OR 36179-96-1/BI OR 393510-67-3/B
 I OR 393510-68-4/BI OR 4325-85-3/BI OR 50927-19-0/BI OR
 5593-70-4/BI OR 62601-74-5/BI OR 62905-51-5/BI OR 67845-93-6/BI
 OR 681-84-5/BI OR 6843-66-9/BI OR 7381-30-8/BI OR 7429-90-5/BI
 OR 74751-86-3/BI OR 77396-40-8/BI OR 791-31-1/BI OR 82458-13-7
 /BI OR 85626-36-4/BI OR 9003-17-2/BI OR 9003-18-3/BI OR
 9003-55-8/BI OR 947-42-2/BI OR 96-69-5/BI OR 999-97-3/BI)

L14 1 SEA FILE=REGISTRY ABB=ON L12 AND NORBOR?
 L16 STR

C=C-C-C-G1-C=C
 1 2 3 4 5 6

*Covers the norbornene of I & II as
 well as double bonds in a chain*

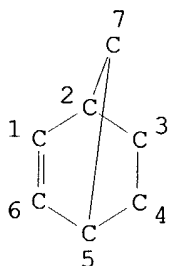
REP G1=(1-10) C
 NODE ATTRIBUTES:
 NSPEC IS RC AT 1
 NSPEC IS RC AT 2
 NSPEC IS RC AT 3
 NSPEC IS RC AT 5
 NSPEC IS RC AT 6
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

8,707 polymers

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE

L18 SCR 2043
 L20 SCR 1992 OR 2021
 L30 8707 SEA FILE=REGISTRY SSS FUL L16 AND L18 NOT L20
 L31 616 SEA FILE=REGISTRY ABB=ON L30 AND 1-20/SI
 L33 602 SEA FILE=REGISTRY ABB=ON L31 NOT 1-5/M
 L34 814 SEA FILE=HCAPLUS ABB=ON L33
 L35 67 SEA FILE=HCAPLUS ABB=ON L34 AND RUBBER/SC,SX
 L38 107 SEA FILE=HCAPLUS ABB=ON L14 AND ELASTOMER?/SC,SX
 L39 49 SEA FILE=HCAPLUS ABB=ON (L35 OR L38) AND CUR?
 L40 15372 SEA FILE=HCAPLUS ABB=ON L30
 L41 1829 SEA FILE=HCAPLUS ABB=ON L40 AND (?SILYL OR ?SILOXANE? OR
 ?SILANE?)
 L42 505 SEA FILE=HCAPLUS ABB=ON L41 AND (RUBBER? OR ELASTOMER?)/SC,SX
 L43 106 SEA FILE=HCAPLUS ABB=ON L42 AND CUR?
 L44 86 SEA FILE=HCAPLUS ABB=ON (L39 OR L43) AND (PREP OR IMF OR SPN
 OR POF)/RL
 L46 STR



Subset search



3,217 polymers

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L48 3217 SEA FILE=REGISTRY SUB=L30 SSS FUL L46
 L49 129 SEA FILE=REGISTRY ABB=ON L48 AND 1-20/SI
 L50 94 SEA FILE=HCAPLUS ABB=ON L49
 L51 73 SEA FILE=HCAPLUS ABB=ON L50(L) (PREP OR IMF OR SPN OR POF)/RL
 L52 20 SEA FILE=HCAPLUS ABB=ON L51 AND (RUBBER? OR ELASTOMER?)/SC
 L53 9842 SEA FILE=HCAPLUS ABB=ON L48
 L54 4871 SEA FILE=HCAPLUS ABB=ON L53(L) (PREP OR IMF OR SPN OR POF)/RL
 L55 612 SEA FILE=HCAPLUS ABB=ON L54 AND (?SILYL? OR ?SILOXAN? OR
 ?SILANE?)
 L56 234 SEA FILE=HCAPLUS ABB=ON L55 AND (RUBBER? OR ELASTOMER?)/SC
 L57 43 SEA FILE=HCAPLUS ABB=ON L56 AND CUR?
 L58 107 SEA FILE=HCAPLUS ABB=ON L52 OR L57 OR L44
 L59 82 SEA FILE=HCAPLUS ABB=ON L58 AND (CURE OR CURED OR CURABL? OR
 CURING)
 L60 51 SEA FILE=HCAPLUS ABB=ON L59 AND COMPOSITION?
 L61 1 SEA FILE=HCAPLUS ABB=ON L11 AND L60

Some structures include Si.
In other references ~~as~~
Si is mentioned
in the indexing

=> D L60 BIB ABS HITIND HITSTR 1-60

L60 ANSWER 1 OF 51 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2004:411730 HCAPLUS
 DN 140:392214
 TI Silicon-containing polyolefins, their moisture-curable
 compositions, cured products, manufacture of the
 products, and their applications
 IN Nagai, Mitsuko; Shirata, Takashi; Kawasaki, Masaaki
 PA Mitsui Chemicals Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 22 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2004143360	A2	20040520	JP 2002-312169	20021028
PRAI	JP 2002-312169		20021028		

AB The Si-containing polyolefins are addition reaction products of polyolefins
 having DB ≥ 1.00 (DB = the number of terminal double bond = $M +$
 $N/14,000$; M = the number of terminal double bond per 1000 C atoms; M = Mn
 measured by GPC) with compds. having Si bonded to OH or hydrolyzable
 groups. The Si-containing polyolefins, their compns., and **cured**
 products of the polyolefins or the compns. are useful for elec. or
 electronic parts, medical goods, sealants, adhesives, coatings, rubbers,
 etc. Thus, a sheet comprising a crosslinked product of a **composition**
 containing reaction product of allyl-terminated ethylene-propylene rubber with
 MeSiH(OMe)₂ and Number 918 (Sn-based crosslinking catalyst) showed tensile
 stress 0.51 MPa at 300% elongation, tensile strength 0.87 MPa, and
 elongation at break 505%.
 IC ICM C08F008-42